1. TENT COOPERATION TREA. (

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NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 22 August 2000 (22.08.00)	in its capacity as elected Office
International application No. PCT/US99/27318	Applicant's or agent's file reference 2307z-9011PC
International filing date (day/month/year) 17 November 1999 (17.11.99)	Priority date (day/month/year)
Applicant 1999 (17.11.99)	17 November 1998 (17.11.98)
PHILLIPS, Donald, A. et al	

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	16 June 2000 (16.06.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Manu Berrod

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

10

Applicant's or agent's file reference 2307Z-9011PC	FOR FURTHER ACTION	See Notifi Preliminary	ication of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/n	ionth/year)	Priority date (day/month/year)
PCT/US99/27318	17 NOVEMBER 1999		17 NOVEMBER 1998
International Patent Classification (IPC) Please See Supplemental Sheet.	or national classification and IP	С	
Applicant THE REGENTS OF THE UNIVERSI	TY OF CALIFORNIA		
Examining Authority and is 2. This REPORT consists of a This report is also accombeen amended and are the	total of sheets.	ets of the desc	cription, claims and/or drawings which have ng rectifications made before this Authority
These annexes consist of a t	otal of sheets.		
3. This report contains indicatio		ems:	
I X Basis of the repo	ort		
II Priority			
III Non-establishme	nt of report with regard to no	velty, inven	tive step or industrial applicability
IV Lack of unity of	invention		
	ent under Article 35(2) with reganations supporting such statem		y, inventive step or industrial applicability
VI Certain documents	cited		
VII Certain defects in	the international application		
VIII Certain observation	ns on the international applicati	on	
Date of submission of the demand	Date	of completio	n of this report
16 JUNE 2000	0	7 MARCH 2	001
Name and mailing address of the IPEA	/US Aught	prized officer	6
Commissioner of Patents and Trade Box PCT	marks //	BLAINE L	ANKFORD (Reife (1666)
Washington, D.C. 20231			(703) 308-0196



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	No

PCT/US99/27318

I. Ba	sis of t	ne report		
1 With	regard to	the elements of the international appli	cation:*	
\mathbf{x}	_	mational application as originally		
=		cription:		
X	pages _			, as originally filed
	pages _	NONE		, filed with the demand
		NONE	, filed with the letter of	
X	the clai	60 T6		as originally filed
	pages _	210215	, as amended (together with any s	
	pages _	210210		_ , filed with the demand
	pages _	MONE	d with the letter of	
X	the dra			
	pages	NONE		, as originally filed
	pages_	NONE		_ , filed with the demand
	pages _	NONE	, filed with the letter of	
(Ta)	the sea	sance listing part of the description	2.	
X		uence listing part of the description NONE		as originally filed
	pages	NONE		, filed with the demand
	pages	NONE	, filed with the letter of	
	the lang	uage of the translation furnished for	ational application (under Rule 48.3(b)). the purposes of international preliminary exa	
			acid sequence disclosed in the international ne basis of the sequence listing:	l application, the international
	contain	ed in the international application	n in printed form.	
			lication in computer readable form.	•
님		ed subsequently to this Authority		
		ed subsequently to this Authority		awand the disclosure in the
	internat	ional application as filed has been	hed written sequence listing does not go b furnished.	beyond the disclosure in the
	The stat		in computer readable form is identical to the	e writen sequence listing has
4. X	The an	nendments have resulted in the ca	nncellation of:	
لنبتها ۲۰	x .,	no description pages NONE		
	₩ "	ne description, pages NONE		
		ne claims, Nos. NONE ne drawings, sheets/fig NONE		
, I	. —			w have been considered to as
5			ne amendments had not been made, since the in the Supplemental Box (Rule 70.2(c)).**	y have been considered to go
in th	lacement	sheets which have been furnished to th	in the Supplemental Box (Rule 10.2(c)). the receiving Office in response to an invitation innexed to this report since they do not con-	under Article 14 are referred to tain amendments (Rules 70.16
	-	ment sheet containing such amendme	ents must be referred to under item 1 and a	annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US99/27318

statement			
Novelty (N)	Claims	1-75	Y
	Claims		N
Inventive Step (IS)	Claims	1-75	Y
inventive step (15)	Claims		N
Industrial Applicability (IA)	Claims	1-75	Y
industrial Applicationity (IA)	Claims	NONE	N
citations and explanations (Rule	70.7)		
Claims 1-75 meet the criteria set out in PCT	Article 33(2)-	4), because the prior art does not teac	h or fairly suggest a
nethod for increasing net growth or photosy	nthesis of a pla	nt by administering lumichrome to the	plant.
NEW CITATIONS			
 NONE			



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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Supplemental Box				
(To be used when the space	in any of	the preceding	boxes is not	sufficient)

Continuation of: Boxes I - VIII

Sheet 10

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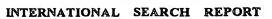
The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): C12P 17/10; C12N 1/14; A01N 63/00 and US Cl.: 504/116.1, 117, 136, 137; 435/121, 252.3, 254.11

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			2.00.14	30	Singapore		





International application No. PCT/US99/27318

	SSIFICATION OF SUBJECT MATTER						
US CL	:C12P 17/10; C12N 1/14; A01N 63/00 :504/116.1, 117, 136, 137; 435/121, 252.3, 254.11						
According t	According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED						
Minimum d	ocumentation searched (classification system followed	by classification symbols)					
U.S. :	504/116.1, 117, 136, 137; 435/121, 252.3, 254.11						
Documentat	tion searched other than minimum documentation to the	extent that such documents are included	in the fields searched				
Electronic d	lata base consulted during the international search (na	me of data base and, where practicable	, search terms used)				
EAST	· ·	•					
C. DOC	UMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.				
Y, P	US 5,925,538 A (PERKINS et al)	20 July 1999, see entire	1-75				
	document.						
Y, P	US 5,932,701 A (BLACK et al) 03	3 August 1999, see entire	1-75				
	document.	,					
Y	US 4,436,547 A (SAMPSON) 13 Marc	h 1984, see entire document.	1-30				
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	L		<u> </u>				
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